

Part Number	Thickness (mils)	Material	Available Mesh (in x in)	Effective as of:	1/15/2020 3:47:13PM
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**Frequency: 55**

FO = 55 GHZ BW = 15.0%	6.0	CU	16@1.5X1.5
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**Frequency: 70**

FO = 70 GHZ BW = 15.0%	6.0	CU	15@1.5X1.5
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**Frequency: 85**

FO = 85 GHZ BW = 15.0%	6.0	CU	12@1.5X1.5
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**Frequency: 90**

FO = 90 GHZ BW = 11.1%	7.0	CU	6.0X2.75, 3.0X2.75, 1.25X1.75
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FO = 90 GHZ BW = 11.7%	7.0	CU	4@6.0X2.75
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FO = 90 GHZ BW = 7.8%	7.0	CU	2@6.0X2.75, 1.5X1.25
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FO = 90 GHZ BW = 8.3%	7.0	CU	4@6.0X2.75
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**Frequency: 95**

FO = 95 GHZ BW = 11.3%	7.0	CU	4@3.0X2.75
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FO = 95 GHZ BW = 7.3%	7.0	CU	3@3.0X2.75
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FO = 95 GHZ BW = 7.9%	7.0	CU	4@3.0X2.75
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FO = 95 GHZ BW = 9.7%	7.0	CU	2.75X3,2.75X3,2.75X3,2.75X3
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FO = 95 GHZ BW = 9.7%	7.0	CU	2.75X3, 1.5X2.75
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**Frequency: 100**

FO = 100 GHZ BW = 10.8%	7.0	CU	3.0X2.75, 1.75X3.0, 1.0X1.0
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FO = 100 GHZ BW = 11.5%	7.0	CU	4@3.0X2.75
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FO = 100 GHZ BW = 15.0%	6.0	CU	15PCS @ 1.5X1.5
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FO = 100 GHZ BW = 7.1%	7.0	CU	2@3.0X2.75
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FO = 100 GHZ BW = 7.7%	7.0	CU	4@3.0X2.75
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**Frequency: 105**

FO = 105 GHZ BW = 11.3%	7.0	CU	3.0X2.75, 2.75X1.25, 1.5X1.75
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FO = 105 GHZ BW = 11.5%	7.0	CU	4@3.0X2.75
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FO = 105 GHZ BW = 7.7%	7.0	CU	2@3.0X2.75
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FO = 105 GHZ BW = 8.0%	7.0	CU	4@3.0X2.75
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**Frequency: 110**

FO = 110 GHZ BW = 11.0%	7.0	CU	3.0X2.75, 1.25X3.0
FO = 110 GHZ BW = 11.3%	7.0	CU	4@3.0X2.75
FO = 110 GHZ BW = 6.8%	7.0	CU	2@3.0X2.75
FO = 110 GHZ BW = 7.9%	7.0	CU	4@3.0X2.75

**Frequency: 115**

FO = 115 GHZ BW = 11.2%	7.0	CU	4@3.0X2.75
FO = 115 GHZ BW = 6.7%	7.0	CU	2@3.0X2.75
FO = 115 GHZ BW = 7.8%	7.0	CU	4@3.0X2.75

**Frequency: 120**

FO = 120 GHZ BW = 10.2%	7.0	CU	3.0X2.75, 1.25X1.0, 1.75X3.0
FO = 120 GHZ BW = 10.8%	7.0	CU	4@3.0X2.75
FO = 120 GHZ BW = 15.0%	6.0	CU	17@ 1.5X1.5
FO = 120 GHZ BW = 6.8%	7.0	CU	2@3.0X2.75
FO = 120 GHZ BW = 7.9%	7.0	CU	4@3.0X2.75

**Frequency: 125**

FO = 125 GHZ BW = 11.9%	7.0	CU	4@3.0X2.75
FO = 125 GHZ BW = 12.0%	7.0	CU	3.0X2.75, 2.75X2.75
FO = 125 GHZ BW = 6.9%	7.0	CU	3.0X2.75, 2.75X2.75
FO = 125 GHZ BW = 7.9%	7.0	CU	4@3.0X2.75

**Frequency: 130**

FO = 130 GHZ BW = 10.6%	7.0	CU	3.0X2.75, 1.75X3.0, 1.0X0.75, 1.0X0.5
FO = 130 GHZ BW = 11.7%	7.0	CU	4@3.0X2.75
FO = 130 GHZ BW = 6.5%	7.0	CU	2@3.0X2.75
FO = 130 GHZ BW = 7.8%	7.0	CU	4@3.0X2.75

**Frequency: 135**

FO = 135 GHZ BW = 10.3%	7.0	CU	3.0X2.75, 3.0X1.75, 1.5X1.0
FO = 135 GHZ BW = 11.8%	7.0	CU	3@3.0X2.75
FO = 135 GHZ BW = 6.1%	7.0	CU	2@3.0X2.75
FO = 135 GHZ BW = 7.2%	7.0	CU	4@3.0X2.75

**Frequency: 139**

FO = 139 GHZ BW = 10.5%	7.0	CU	3.0X2.75, 1.5X1.75
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**Frequency: 140**

FO = 140 GHZ BW = 11.9%	7.0	CU	3@3.0X2.75
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FO = 140 GHZ BW = 15.0%	6.0	CU	10@1.5X1.5
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FO = 140 GHZ BW = 5.6%	7.0	CU	2@3.0X2.75
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FO = 140 GHZ BW = 7.5%	7.0	CU	4@3.0X2.75
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**Frequency: 160**

FO = 160 GHZ BW = 7.7%	5.0	CU	2.0X3.75, 4.0X3.75, 2.0X2.0
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**Frequency: 179**

FO = 179 GHZ BW = 5.7%	5.0	CU	6.0X3.75, 4.0X3.75, 2.0X2.0
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**Frequency: 183**

FO = 183 GHZ BW = 15.0%	2.0	CU	5.0X5.25, 0.75X2, 0.75X1
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**Frequency: 214**

FO = 214 GHZ BW = 13.1%	3.0	CU	4.0X3.75
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**Frequency: 215**

FO = 215 GHZ BW = 12.9%	3.0	CU	4@4.0X3.75
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**Frequency: 231**

FO = 231 GHZ BW = 12.6%	3.0	CU	4@4.0X3.75
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FO = 231 GHZ BW = 17.6%	3.0	CU	4.0X3.5, 3.75X3.75
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FO = 231 GHZ BW = 9.3%	3.0	CU	4.0X3.0, 4.0X3.75, 2.0X3.75
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**Frequency: 232**

FO = 232 GHZ BW = 12.5%	3.0	CU	4.0X3.5
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FO = 232 GHZ BW = 17.7%	3.0	CU	3@4.0X3.75, 2.5X3.75, 2.0X2.25, 1.0X1.0
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FO = 232 GHZ BW = 8.8%	3.0	CU	3@4.0X3.75
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**Frequency: 248**

FO = 248 GHZ BW = 12.4%	3.0	CU	6@2.0X2.0, 2.0X1.75
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FO = 248 GHZ BW = 12.4%	3.0	CU	4@2.0X2.0, 2.0X1.75
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**Frequency: 249**

FO = 249 GHZ BW = 14.6%	3.0	CU	4X3.75, 4X2.25
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**Frequency: 266**

FO = 266 GHZ BW = 13.6%	3.0	CU	4@4.0X3.75
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**Frequency: 267**

FO = 267 GHZ BW = 13.9%	3.0	CU	3.75X4, 3.75X4, 3.75X4,3.75X4
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FO = 267 GHZ BW = 13.9%	3.0	CU	3.75X2.75, 1.75X1
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**Frequency: 287**

FO = 287 GHZ BW = 13.9%	3.0	CU	3.75X4, 3.75X4, 3.75X4, 3.75X4
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FO = 287 GHZ BW = 13.9%	3.0	CU	3X1, 2.75X4
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**Frequency: 309**

FO = 309 GHZ BW = 13.9%	3.0	CU	3.75X4, 2.5X1,1.75X3.75,1.75X1, 3.75X4, 3.75X4
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FO = 309 GHZ BW = 13.9%	3.0	CU	2.5X4, 1X0.75
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FO = 309 GHZ BW = 15.0%	3.0	CU	1.75 X 1, 4 X 2.5
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**Frequency: 311**

FO = 311 GHZ BW = 10.3%	3.0	CU	4@4.0X3.75
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**Frequency: 312**

FO = 312 GHZ BW = 10.8%	3.0	CU	4.0X2.0, 4.0X4.75, 4.0X2.75
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**Frequency: 321**

FO = 321 GHZ BW = 10.6%	3.0	CU	4.0X4.75, 2.0X1.75
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FO = 321 GHZ BW = 9.8%	3.0	CU	4@4.0X4.75
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**Frequency: 330**

FO = 330 GHZ BW = 10.3%	3.0	CU	4@4.0X4.75
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FO = 330 GHZ BW = 11.4%	3.0	CU	4.0X4.75, 3.75X3.0, 4.0X1.75
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**Frequency: 331**

FO = 331 GHZ BW = 13.5%	3.0	CU	4@4.0X3.75
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FO = 331 GHZ BW = 15.1%	3.0	CU	4X3.75, 4X2.75, 1.75X1
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**Frequency: 412**

FO = 412 GHZ BW = 14.1%	3.0	CU	4@4.0X2.75
FO = 412 GHZ BW = 15.1%	3.0	CU	2.75X4.0, X2.75X1.5

**Frequency: 444**

FO = 444 GHZ BW = 14.1%	3.0	CU	2.75X4.0, 2.25X4.0
FO = 444 GHZ BW = 15.1%	3.0	CU	3@4.0X2.25, 4.0X2.75

**Frequency: 475**

FO = 475 GHZ BW = 12.8%	3.0	CU	3X4.0X2.25, 4.0X2.75
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**Frequency: 477**

FO = 477 GHZ BW = 16.8%	3.0	CU	2.75X4.0, 4.0X2.25
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**Frequency: 480**

FO = 480 GHZ BW = 10.7%	3.0	CU	2@4X3.75, 2@4X3.5
FO = 480 GHZ BW = 9.6%	3.0	CU	4.0X3.75, 4.0X2.0, 3.75X1.75

**Frequency: 499**

FO = 499 GHZ BW = 9.5%	3.0	CU	2@4.0X3.75, 2@4.0X3.5
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**Frequency: 500**

FO = 500 GHZ BW = 8.7%	3.0	CU	4 X 2, 1.75 X 1.75, 1.75 X 2.5, .75 X 2
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**Frequency: 511**

FO = 511 GHZ BW = 18.4%	3.0	CU	4.0X2.75, 4.0X1.75
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**Frequency: 512**

FO = 512 GHZ BW = 15.6%	3.0	CU	2.75X4, 2.75X4, 2.75X4, 2.75X4
FO = 512 GHZ BW = 15.6%	3.0	CU	0.75X2, 0.75X1.5, 4X3

**Frequency: 521**

FO = 521 GHZ BW = 9.5%	3.0	CU	2@4.0X3.75, 2@4.0X3.5
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**Frequency: 524**

FO = 524 GHZ BW = 9.9%	3.0	CU	3.75X4, 3.75X4, 3.75X4, 3.75X4
FO = 524 GHZ BW = 9.9%	3.0	CU	1.5X1.5, 1.75X2.5, 2X4, 1.75X3.75, 2X2.75

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**Frequency: 559**

FO = 559 GHZ BW = 16.4%      2.0      CU      4X4.75, 2.75X1

**Frequency: 576**

FO = 576 GHZ BW = 11.6%      2.0      CU      4.0X4.5, 3@4.0X6.0

**Frequency: 596**

FO = 596 GHZ BW = 6.4%      2.0      CU      3.75X5.75; 2@1.125X1.125, 3.75X2.5

**Frequency: 599**

FO = 599 GHZ BW = 10.4%      2.0      CU      1.5X2, 1X2.5, 3@4X6

**Frequency: 612**

FO = 612 GHZ BW = 11.0%      2.0      CU      4X5.75, 1X1, 4X2.5, 1.5X1

**Frequency: 630**

FO = 630 GHZ BW = 22.3%      0.7      CU      3X1, 2@1X1, 3X3.75, 3X2.25

**Frequency: 645**

FO = 645 GHZ BW = 7.6%      2.0      CU      4.0X2.5, 1.25X2.5, 5.0X3.0

**Frequency: 650**

FO = 650 GHZ BW = 10.3%      2.0      CU      4@6.0X4.0

**Frequency: 667**

FO = 667 GHZ BW = 13.0%      2.0      CU      3.75X3.75, 2@1.75X2.0, 0.75X2.75

**Frequency: 669**

FO = 669 GHZ BW = 18.6%      0.7      CU      3.0X2.0, 3.0X2.75

**Frequency: 674**

FO = 674 GHZ BW = 13.8%      2.0      CU      4@6.0X4.0

**Frequency: 695**

FO = 695 GHZ BW = 9.2%      2.0      CU      2.5X5.75, 2X4.25, 2X4

**Frequency: 711**

FO = 711 GHZ BW = 8.2%      2.0      CU      4X5.75, 1X4.25, 1.5X2.5, 2.5X3, 1.5X1





Part Number	Thickness (mils)	Material	Available Mesh (in x in)	Effective as of:
<b>Frequency: 1141</b>				1/15/2020 3:47:13PM
FO = 1141 GHZ BW = 9.2%	0.3	CU	3.0X3.0	
FO = 1141 GHZ BW = 9.8%	0.3	CU	2@3.0X3.0, 2.0X2.0	
<b>Frequency: 1152</b>				
FO = 1152 GHX BW = 15.4%	0.7	CU	3.0X3.75, 2.0X1.0, 2.0X1.75	
<b>Frequency: 1197</b>				
FO = 1197 GHZ BW = 14.3%	0.7	CU	1.5X3, 1.75X2, 1X1, 2@2X1.75	
<b>Frequency: 1253</b>				
FO = 1253 GHZ BW = 13.2%	0.1	CU	1.75X1.75, 1X.5	
<b>Frequency: 1254</b>				
FO = 1254 GHZ BW = 12.6%	0.1	CU	3X1.75, 1X1.75	
<b>Frequency: 1314</b>				
FO = 1314 GHZ BW = 10.4%	0.1	CU	1.0X1.0	
<b>Frequency: 1315</b>				
FO = 1315 GHZ BW = 10.4%	0.1	CU	3@3.0X3.0	
<b>Frequency: 1399</b>				
FO = 1399 GHZ BW = 10.8%	0.1	CU	3.0X1.75, 1.0X.05	
FO = 1399 GHZ BW = 11.5%	0.1	CU	1X3, 1X2	
<b>Frequency: 1497</b>				
FO = 1497 GHZ BW = 11.3%	0.1	CU	2 @ .75 X 1, 1 @ 1.75 X 3	
<b>Frequency: 1606</b>				
FO = 1606 GHZ BW = 11.7%	0.1	CU	1.75X1.75, 1.0X1,75	
<b>Frequency: 1708</b>				
FO = 1708 GHZ BW = 12.4%	0.1	CU	3@3.0X3.0	
<b>Frequency: 1721</b>				
FO = 1721 GHZ BW = 10.2%	0.1	CU	1.5X1.25	

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**Frequency: 1830**

FO = 1830 GHZ BW = 8.3%      0.2      CU      4X1.25

**Frequency: 1832**

FO = 1832 GHZ BW = 8.9%      0.2      CU      3.5X1.25, 2.5X3

**Frequency: 1920**

FO = 1920 GHZ BW = 13.1%      0.1      CU      1.5X1.25, 3.0X3.0, 1.5X3.0

FO = 1920 GHZ BW = 13.1%      0.1      CU

**Frequency: 2010**

FO = 2010 GHZ BW = 9.2%      0.2      CU      3.0X3.0

**Frequency: 2099**

FO = 2099 GHZ BW = 9.5%      0.1      CU      2@3.0X3.0

**Frequency: 2196**

FO = 2196 GHZ BW = 8.8%      0.2      CU      3.0X3.0

**Frequency: 2198**

FO = 2198 GHZ BW = 9.7%      0.2      CU      3.0X3.0

**Frequency: 2286**

FO = 2286 GHZ BW = 15.4%      0.1      CU      0.75X1, 0.75X1, 1X1, 3X3, .5X2

**Frequency: 2291**

FO = 2291 GHZ BW = 12.8%      0.1      CU      3.0X1.75, 1.0X1.75

**Frequency: 2301**

FO = 2301 GHZ BW = 10.6%      0.1      CU      3.0X3.0

**Frequency: 2498**

FO = 2498 GHZ BW = 17.1%      0.1      CU      1.25X1.5, 1.0X1.5, 0.75X0.75, 1.75X0.5

**Frequency: 2501**

FO = 2501 GHZ BW = 10.0%      0.1      CU      1 X .75, 1 X .5

**Frequency: 2673**

FO = 2673 GHZ BW = 9.4%      0.1      CU      2@1.5X1.5

Part Number	Thickness (mils)	Material	Available Mesh (in x in)	Effective as of:
<b>Frequency: 2798</b>				1/15/2020 3:47:13PM
FO = 2798 GHZ BW = 9.0%	0.2	CU	3 X 1.75	
<b>Frequency: 2892</b>				
FO = 2892 GHZ BW = 9.2%	0.2	CU	3.0X3.0	
<b>Frequency: 2980</b>				
FO = 2980 GHZ BW = 9.2%	0.2	CU	.5 X 1, 1 X 1	
<b>Frequency: 3110</b>				
FO = 3110 GHZ BW = 11.0%	0.1	CU	1X1.75	
<b>Frequency: 3193</b>				
FO = 3193 GHZ BW = 8.0%	0.2	CU	3.0X1.75	
<b>Frequency: 3301</b>				
FO = 3301 GHZ BW = 10.7%	0.1	CU	3X3, 2X1.75, 1X1, 1X1	
<b>Frequency: 4286</b>				
FO = 4286 GHZ BW = 22.4%	0.1	CU	0.75X1.0, 1.0X1.75	
<b>Frequency: 4303</b>				
FO = 4303 GHZ BW = 10.8%	0.1	CU	3.0X3.0	
<b>Frequency: 5248</b>				
FO = 5248 GHZ BW = 11.2%	0.1	CU	2.0 X 3.0, 2.0 X 1.75, 1.0 X 0.75	
<b>Frequency: 7372</b>				
FO = 7372 GHZ BW = 18.2%	0.1	CU	1.5X1.25	
<b>Frequency: 10070</b>				
FO = 10070 GHZ BW = 12.4%	0.1	CU	1.5 X1.5	
<b>Frequency: 11852</b>				
FO = 11852 GHZ BW = 5.8%	0.1	CU	2@1.5X1.5	

